

Title (en)

ASSEMBLY FOR PLUGGING AN APERTURE IN A BODY

Title (de)

ANORDNUNG ZUR ABDICHTUNG EINER ÖFFNUNG IN EINEM KÖRPER

Title (fr)

ENSEMBLE SERVANT À OBTURER UNE OUVERTURE DANS UN CORPS

Publication

EP 3026223 A1 20160601 (EN)

Application

EP 15193027 A 20151104

Priority

- US 201462074968 P 20141104
- US 201514679649 A 20150406

Abstract (en)

An apparatus includes a body 24, a collar 26, a fastener 28 and a retainer 30. The body 24 extends between first 46 and second 68 sides. The collar 26 sealingly engages the first side 46 and extends into an aperture 22 in the body 24. The fastener 28 engages the second side 68 and extends through the collar 26 to a distal end 74. The retainer 30 is mated with the fastener 28 at the distal end 74. The collar 26 and the fastener 28 cooperate to limit rotation therebetween.

IPC 8 full level

F01D 11/00 (2006.01); **F01D 21/00** (2006.01); **F01D 25/24** (2006.01); **F16B 33/00** (2006.01); **F16B 39/24** (2006.01); **F16B 39/28** (2006.01)

CPC (source: EP US)

F01D 11/003 (2013.01 - EP US); **F01D 11/005** (2013.01 - EP US); **F01D 11/008** (2013.01 - US); **F01D 21/003** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F16B 33/004** (2013.01 - US); **F16B 39/24** (2013.01 - US); **F16B 39/28** (2013.01 - US)

Citation (search report)

- [A] US 2013259646 A1 20131003 - FEINDEL DAVID T [US], et al
- [A] US 2012195746 A1 20120802 - SARDA RAJESH [IN]
- [A] US 2014093328 A1 20140403 - TIRONE JOHN P [US], et al
- [A] US 2012204398 A1 20120816 - HERBOLD JOHN [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3026223 A1 20160601; **EP 3026223 B1 20200401**; US 2016123373 A1 20160505; US 9784301 B2 20171010

DOCDB simple family (application)

EP 15193027 A 20151104; US 201514679649 A 20150406